

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA22313-1450
Mail Stop- Patent Applications

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) are the specification and claims of the nonprovisional patent application of:

Zuhua Zhu, and Shih-Yuan Wang for
Inventor(s)

CURRENT CONFINEMENT STRUCTURE FOR VERTICA CAVITY SURFACE EMITTING LASER

Title of Invention

APPLICATION ELEMENTS ENCLOSED:

1. 6 Specification (total pages 17) including:

a. 5 pages of claims (30 claims of which claims 23-30 are canceled by a concurrently submitted Preliminary Amendment)

b. 1 page(s) Abstract

2. 4 8 sheets of informal X formal drawings (Figs. 1-8)

3. X Oath or declaration of Applicant(s) (3 total pages)

a. Newly executed (original or copy)

b. X Copy from a prior application (37 CFR 1.63(d))

(for continuation/divisional with Item 14 completed)

4. Deletion of Inventor(s)

Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)

5. X Incorporation By Reference

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied in item 3b is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. Microfiche Computer Program (Appendix)

APPLICATION PARTS ENCLOSED:

7. An assignment (cover sheet & document(s))

8. 37 CFR 3.73(b) Statement (when there is an assignee)

9. X Power of Attorney

a. Newly executed (original or copy)



- b. X Copy from a prior application
10. X Information Disclosure Statement (IDS)/PTO-1449
X Copies of IDS Citations
11. X A Preliminary Amendment
12. X Return Receipt Postcard (MPEP 503)
13. A small entity statement under 37 C.F.R. §1.9 and §1.27
 Statement filed in prior application, status still proper and desired
14. X If a Continuing Application, check the appropriate box and supply the requisite information:
- ☐ Continuation of prior application No.: filed
- ☒ Divisional of prior application No.: 10/106,991 filed March 26, 2002
- ☐ Continuation-in-part (CIP) of prior application No.: filed
15. X Amend the specification by inserting before the first line of page one: -This is a continuation
X divisional of application Serial No. 60/278,715 filed March 26, 2001.
16. Priority of application No(s). filed in on . Applicant hereby claims priority under 35 U.S.C. § 119.
 A certified copy of priority application No. is enclosed
 A certified copy of priority application No. has been filed in prior application
S.N. filed
17. Other (identify)

The filing fee is calculated as follows:

CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT

					Rate			Fee	
	Number Filed		Number Extra*		Small Entity	Other Entity		Small Entity	Other Entity
Total Claims	21 -20	=	1	x	\$ 9	\$18	=	\$9	\$
Indep. Claims	2 - 3	=	0	x	\$ 42	\$ 84	=	\$ 0	\$
Multiple Dependent Claims Presented: Yes <u> </u> No <u>X</u>					\$140	\$280	=	\$ 0	\$
If the difference in column 1 is less than zero, enter "0" in column 2					Basic Fee			\$ 375	\$ 750
					Total Fee			\$ 384	

18. X A check in the amount of \$ 384.00 to cover the filing fee.
19. ___ Please charge Deposit Account No. 03-3125 in the amount of \$ 40.00 for recordation of the Assignment.
20. X The Commissioner is hereby authorized to charge any additional fees which may be required in connection with the following or credit any overpayment to Deposit Account No. 03-3125.
- X Filing fees under 37 C.F.R. § 1.16.
- X Patent application processing fees under 37 C.F.R. §1.17.
- ___ The issue fee set in 37 C.F.R. §1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. §1.311(b).
21. X Three copies of this sheet are enclosed.
22. ___ Other (identify) _____

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of : Zuhua Zhu, et al.

Serial No. : Div. of 10/106,991

Group Art Unit:

Date Filed : Concurrently Herewith

Examiner:

For : CURRENT CONFINEMENT STRUCTURE FOR VERTICAL
CAVITY SURFACE EMITTING LASER

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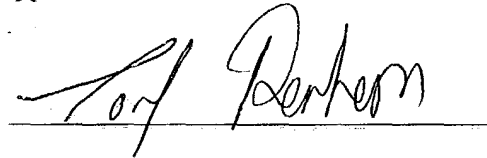
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LETTER OF TRANSMITTAL

Express Mail mailing label number: ET 735973920 US

Date of Deposit: June 23, 2003

I hereby certify that the above-identified application which is a Rule 1.53(b) divisional of S.N. 10/106,991 filed March 26,2002, consisting of a 3-page continuation application (in triplicate), copy of parent application S.N. 10/106,991 filed March 26,2002, copy of the Declaration and Power of Attorney in the parent application, Preliminary Amendment, 8 sheets of formal drawings, and check for \$384 filing fee), is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA22313-1450, Mail Stop- Patent Applications.



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